WHAT IS CLAIMED IS:

Ĩ	1. A tissue acquisition device useful in retrieving tissue samples from a
2	patient, comprising:
3	an inner cannula having a proximal end, a distal end, and a longitudina
4	axis extending between said proximal and distal ends, said inner cannula including a
5	tubular sidewall, a main lumen extending along said longitudinal axis from said
6	proximal end toward said distal end, and a cutout in said sidewall;
7	an outer cannula having a proximal end, a distal end, and a longitudina
8	axis extending between said proximal and distal ends, said outer cannula including a
9	tubular sidewall, a main lumen extending along said longitudinal axis from said
10	proximal end toward said distal end, and a cutout in said sidewall;
11	a passageway extending longitudinally along said device from said
12	proximal end toward said distal end;
13	a cutting wire positioned in said passageway, said cutting wire having
14	a proximal end and a distal end and being rotatable and longitudinally extendable in
15	said passageway, said cutting wire including a cutting loop at a said distal end which
16	extends out of said passageway;
17	wherein said inner cannula is positioned in said outer cannula main
18	lumen with said inner cannula cutout positioned at the same longitudinal position as
19	said outer cannula cutout.

- 1 2. The tissue acquisition device in accordance with Claim 1, wherein said 2 inner cannula cutout and said outer cannula cutout are both radially and longitudinally
- 3 aligned.
- 1 3. The tissue acquisition device in accordance with Claim 1, wherein said
- 2 inner cannula cutout and said outer cannula cutout are substantially the same size and
- 3 shape.
- 1 4. The tissue acquisition device in accordance with Claim 1, wherein each
- 2 of said inner cannula cutout and said outer cannula cutout include two longitudinally
- 3 extending sidewalls, a proximal endwall, and a distal endwall, and wherein both said
- 4 distal endwall and said proximal endwall are each substantially perpendicular to said
- 5 sidewalls.
- 1 5. The tissue acquisition device in accordance with Claim 1, further
- 2 comprising an end plug mounted at the distal ends of said inner cannula and said outer
- 3 cannula.
- 1 6. The tissue acquisition device in accordance with Claim 5, wherein said
- 2 end plug is mushroom-shaped, including a dome-shaped portion and a cylindrical
- 3 portion.

7

in said end plug.

- 7. The tissue acquisition device in accordance with Claim 5, wherein said end plug comprises a cutting wire extending distally from said end plug and separated from said end plug by a gap, said cutting wire including a connecting portion embedded in said end plug, extending proximally through said end plug, exiting said end plug cylindrical portion, and reentering said end plug cylindrical portion, said cutting wire including a free end opposite said connecting portion which is embedded
- 1 8. The tissue acquisition device in accordance with Claim 5, wherein said
 2 end plug comprises a cutting wire extending distally from said end plug and separated
 3 from said end plug by a gap, said cutting wire including a connecting portion
 4 embedded in said end plug, extending proximally through said end plug, and exiting
 5 said end plug proximally, said cutting wire including a free end opposite said
 6 connecting portion which is embedded in said end plug.
- 9. The tissue acquisition device in accordance with Claim 8, wherein said inner cannula further comprises a conductor extending through said inner cannula sidewall from said proximal end to said distal end, said conductor having a distal end in electrical contact with said end plug cutting wire.